

CLAIMS

I claim:

1. A filter mounting assembly for a fryer having a tank for containing hot oil and a filter for filtering particulates from said hot oil, said tank having a bottom, said filter mounting assembly comprising:

a slip fitting receiver attached to said tank;

a slip fitting assembly attached to said filter assembly;

said slip fitting assembly having an assembly first end and an assembly second end;

a slip fitting provided as said assembly first end;

said slip fitting slidably engagable to said slip fitting receiver;

said slip fitting assembly having a grasping member attached to said assembly second end; and

said slip fitting assembly having an interior flow passageway.

2. The apparatus of claim 1 wherein said grasping member comprises an opening in said assembly second end.

3. The apparatus of claim 1, further comprising:

said grasping member comprising a structure extending upward from said assembly second end defining an opening capable of receiving a hook.

4. The apparatus of claim 1, further comprising:

an outlet port through said bottom of said tank;
said slip fitting receiver is attached to said outlet port; and
said slip fitting passageway, said slip fitting receiver and said outlet port allowing
fluid communication of cooking oil from said filter through said outlet port.

5. The apparatus of claim 4, further comprising:

said slip fitting and said slip fitting receiver so constructed that said slip fitting is
closely received within said slip fitting receiver.

6. The apparatus of claim 5, further comprising:

said slip fitting having a fitting length and a fitting width; and
said fitting length greater than said fitting width.

7. The apparatus of claim 5, further comprising:

said slip fitting further comprising a fitting shoulder;
said fitting receiver having a receiver upper end; and
said fitting shoulder resting on said receiver upper end when said slip fitting is
received in said fitting receiver.

8. The apparatus of claim 1, further comprising:

said slip fitting assembly further comprising a lower cap and an upper cap;
said lower cap and said upper cap threadably connected;

said lower cap having a lower cap lip;
said lower cap lip supporting said filter;
said upper cap having a plurality of ports; and
said plurality of ports in fluid communication with said filter and said slip fitting
passageway.

9. The apparatus of claim 1, further comprising:

an elongated rod; and

said rod having a hook configured for grasping said grasping member.

10. The apparatus of claim 9, further comprising:

a hook well provided on said rod proximate said hook; and

said hook well configured for pushing said grasping member.

11. The apparatus of claim 1, further comprising:

a plurality of filters positioned vertical to said bottom of said tank;

a multi-filter connector connected to each of said plurality of filters;

said multi-filter connector attached intermediate said second end of said slip
fitting assembly and said grasping member; and

said multi-filter connector in fluid communication with said plurality of filters and
said slip fitting assembly.

12. The apparatus of claim 1, further comprising:

said slip fitting having a surface;
said exterior surface having a surface taper;
said surface taper constructed such that said exterior surface is larger proximate
said filter than the exterior surface distal said filter;
said slip fitting receiver having a complimentary tapered interior.

13. The apparatus of claim 3, wherein said slip fitting assembly comprises:

an upper cap;
said grasping member attached to said upper cap;
said upper cap having an upper cap body;
said upper cap body having an interior passageway and a plurality of radial ports;
a lower cap having a lower cap passageway;
said upper cap threadedly attached to said lower cap;
said filter located between said upper cap and said lower cap;
said slip fitting attached to said lower cap;
said radial ports in fluid communication with said interior passageway and said at
least one filter;
said interior passageway in fluid communication with said lower cap passageway;
said lower cap passageway in fluid communication with said slip fitting;
said slip fitting in fluid communication with said slip fitting receiver; and
said slip fitting receiver in fluid communication with said outlet port.

14. A filter mounting assembly for a fryer having a tank for containing hot oil and a filter assembly for filtering particulates from said hot oil, said tank having a bottom, said filter mounting assembly comprising:

a slip fitting receiver attached to said tank;

a slip fitting assembly attached to said filter assembly;

said slip fitting assembly having an assembly first end and an assembly second end;

a slip fitting provided as said assembly first end;

said slip fitting slidably engagable to said slip fitting receiver;

said slip fitting assembly having a grasping member attached to said assembly second end;

said slip fitting assembly having an interior flow passageway;

an outlet port through said bottom of said tank;

said slip fitting receiver attached to said outlet port; and

said slip fitting passageway, said slip fitting receiver and said outlet port allowing fluid communication of cooking oil from said filter through said outlet port.

15. The apparatus of claim 14, further comprising:

said grasping member comprising a structure extending upward from said assembly second end defining an opening capable of receiving a hook;

said slip fitting assembly further comprising a lower cap and an upper cap;

said lower cap and said upper cap threadably connected;

said lower cap having a lower cap lip;

said lower cap lip supporting said filter;
said upper cap having a plurality of ports; and
said plurality of ports in fluid communication with said filter and said slip fitting passageway.

16. The apparatus of claim 14, further comprising:

an elongated rod; and
said rod having a hook configured for grasping said grasping member;
a hook well provided on said rod proximate said hook; and
said hook well configured for pushing said grasping member.

17. The apparatus of claim 14, wherein said slip fitting assembly comprises:

an upper cap;
said grasping member attached to said upper cap;
said upper cap having an upper cap body;
said upper cap body having an interior passageway and a plurality of radial ports;
a lower cap having a lower cap passageway;
said upper cap threadedly attached to said lower cap;
said filter located between said upper cap and said lower cap;
said slip fitting attached to said lower cap;
said radial ports in fluid communication with said interior passageway and said at least one filter;
said interior passageway in fluid communication with said lower cap passageway;

said lower cap passageway in fluid communication with said slip fitting;
said slip fitting in fluid communication with said slip fitting receiver; and
said slip fitting receiver in fluid communication with said outlet port.

18. A filter mounting assembly for a fryer having a tank for containing hot oil and a filter for filtering particulates from said hot oil, said tank having a bottom, said filter mounting assembly comprising:

a slip fitting receiver attached to said tank;
a slip fitting assembly attached to said filter assembly;
said slip fitting assembly having an assembly first end and an assembly second end;
a slip fitting provided as said assembly first end;
said slip fitting slidably engagable to said slip fitting receiver;
said slip fitting assembly having a grasping member attached to said assembly second end;
said slip fitting assembly having an interior flow passageway;
said grasping member comprising a structure extending upward from said assembly second end defining an opening capable of receiving a hook;
said slip fitting assembly further comprising a lower cap and an upper cap;
said lower cap and said upper cap threadably connected;
said lower cap having a lower cap lip;
said lower cap lip supporting said filter;
said upper cap having a plurality of ports; and

said plurality of ports in fluid communication with said filter and said slip fitting passageway.

19. The apparatus of claim 18, further comprising:

an elongated rod;

said rod having a hook configured for grasping said grasping member;

a hook well provided on said rod proximate said hook; and

said hook well configured for pushing said grasping member.

20. The apparatus of claim 18, wherein said slip fitting assembly comprises:

an upper cap;

said grasping member attached to said upper cap;

said upper cap having an upper cap body;

said upper cap body having an interior passageway and a plurality of radial ports;

a lower cap having a lower cap passageway;

said upper cap threadedly attached to said lower cap;

said filter located between said upper cap and said lower cap;

said slip fitting attached to said lower cap;

said radial ports in fluid communication with said interior passageway and said at least one filter;

said interior passageway in fluid communication with said lower cap passageway;

said lower cap passageway in fluid communication with said slip fitting;

said slip fitting in fluid communication with said slip fitting receiver; and

said slip fitting receiver in fluid communication with said outlet port.